SoMo® 650 Handheld Computer

Standard Version

Specification Sheet

PHYSICAL

Dimensions	5.00 x 2.94 x 0.98 inches (127 x 74.60 x 25 mm)
Total Mass	7.20 oz (204 g) with battery and stylus
Display	65K colors TFT LCD, 3.5", 16 bit-per-pixel, 240 (w) x 320 (L) resolution
Touch Panel	Glass analog resistive touch
Backlight	White LED backlight
Battery Type	3.7V 2600 mAh Lithium Ion rechargable
Backup Battery	Super Capacitor to support Realtime Clock
Expansion Slots	CompactFlash (CF) and Secure Digital I/O (SDIO) slots: reinforced to prevent damage when dropped
LED Indicators	Red/Green LED for alarm, battery charging Blue/Green LED for *Bluetooth* and Wireless LAN
Buttons	4 front panel programmable soft buttons 2 side programmable action buttons Control hold switch 5 navigation buttons Device reset button Power on/off button
Input Devices	Stylus (Note: touch sensitive display for stylus or fingertip)
Connectors	Barrel connector power jack 26 pin docking connector for ActiveSync USB 1.1 host & USB 2.0 Client 2.5mm headset jack with support for both voice and stereo music
Audio	Built-in Microphone and Speaker, voice recording capability with Notes application

PRE-LOADED SOFTWARE

Microsoft Software	Office Mobile: Word Mobile, Excel Mobile, PowerPoint Mobile, OneNote Mobile Web/Communications: Office Outlook Mobile, Internet Explorer Mobile, MSN Messenger Client Synchronization: ActiveSync Client Media: Windows Media Player Mobile Programmable Home Screen .NET Compact Framework v2.0 Calculator, Notes, Tasks
Socket Software*	Data Capture: SocketScan™ for Socket barcode / RFID / magnetic stripe readers and UIC683 smart card reader Wireless Broadband: SoMo 650 Back Pack Utilities WLAN / *Bluetooth*: Enhanced Wi-Fi® Companion™, Connect!Agent™ Power Management: Power Plus Battery Friendly® utility, Hold Switch utility, CPU Performance utility Cabled Communications: Modem Utilities, Ethernet Utilities
SocketSerial Software	Serial I/O drivers, USB-to-Serial adapter drivers, USB Ethernet Gigabit adapter drivers
Sprite Mobile Software	Sprite Backup (Trial version)
SOTI Software	MobiScan Agent

PERFORMANCE

Processor	Intel PXA270 @ 624 MHz
Operating System	Windows Mobile 6 Classic
Languages Available	Worldwide English, Chinese, Dutch, Finnish, French, German, Italian, Japanese, Portuguese (Brazilian/Iberian), Spanish, Swedish (Languages available via ROM upgrade, free to registered users)
Memory	128 MB SDRAM, 1 GB or 256 MB NAND FLASH
SoMo File Store	Non-volatile memory for device applications/configurations can survive hard reset of device Features Auto-Run support, ideal for provisioning deployments

*SoMo devices come with Wi-Fi Companion installed. Enhanced Wi-Fi Companion is pre-loaded on devices running Windows Mobile 6 Service Pack 4 or later but must be installed. Connect!Agent is pre-loaded on devices running Windows Mobile 6 Service Pack 8 or later but must be installed.

ENVIRONMENTAL

Temperature	Operating: 0° to 50° C (32° to 120° F) Storage: -25° to 75° C (-13° to 167° F)
Humidity	95% non-condensing
Drop Specification	Multiple 1 m (3.3. ft) drops to vinyl-covered concrete With optional DuraCase protective case: Multiple 1.3 m (4.3 ft) drops to vinyl-covered concrete
ESD Specification	+/- 8kV air discharge, +/- 8kV direct discharge

WIRELESS

Wireless Local Area Network (Wi-Fi)	IEEE® 802.11 b/g WLAN, Cisco CCX 4.0 certified* Data Rate: 1 / 2 / 5.5 / 6 / 9 / 11 / 12 / 18 / 24 / 36 / 48 / 54 Mbps Frequency Range: Country dependent (channels 1- 14); 2.412 to 2.484 GHz Output Power: 14.5 dBm (OFDM); 16 dBm (CCK) Antenna: Internal **requires Enhanced Wi-Fi Companion software, optional to install*
Bluetooth	v2.0 + EDR Class 2 with support for the following profiles: - DUN - Dial-up Networking Profile - GAP: Generic Access Profile - SDP: Service Discovery Profile - A2DP - Advanced Audio Profile - AVCTP - Audio/Video Control Transport Protocol - AVRCP - Audio/Video Remote Control Profile - GAVDP - Generic Audio/Video Distribution Profile - AVDTP - Audio/Video Distribution Transport Protocol - HSP: Headset Profile - HID - Human Interface Device (Host role) - OPP - Object Push Profile (Client and Server) - SPP - Serial Port Profile

LEGAL

Warranty	Handheld computer: One year standard warranty Accessories (battery, cable, case, charger, etc.): 90 days
Extended Warranty	SocketCare™ service program sold separately. SocketCare 2 Year Plus SKU# SC1800-1345
Certification/ Compliance	FCC: Part 15, Class B Industry Canada RoHS and WEEE compliant EMI / RFI *Bluetooth* Certification (BQB test) Microsoft Windows Mobile 5.0, 6.1 Logo Test Certified EU/International: EN301 489-1, -17 EN61000-4-2: 1995, ESD ± 8kV air/±4kV contact NOM, COFETEL Cisco CCX 4.0 *(requires Enhanced Wi-Fi Companion software, optional to install)* EN61000-4-3: 1997, radiated Immunity 3V/m EN61000-4-4: 1995, EFT ± 0.55kV EN61000-4-5: 1995, Surge ± 0.5kV EN61000-4-6: 1 CE: EN Electrical Safety EN60950, UL, CSA Wi-Fi Alliance Certification USB IF Test TELEC

PACKAGE CONTENTS

SoMo 650-E	SoMo 650 handheld computer with full size stylus Wall charger: AC/DC adapter, Input 100~240 V AC USB sync/power cable Getting Started CD with software and User's Guide
SoMo 650-M	Same as SoMo 650-E plus: Desktop cradle: Simultaneously charges docked unit and spare battery, includes USB 1.1 Host and USB 2.0 Client ports, powered from wall charger or USB sync/power cable Carrying case Audio headset with microphone, 2.5mm to 3.5mm audio headset adapter

OPTIONAL

Data Capture	Barcode / RFID / magnetic stripe readers (SD / CF card or *Bluetooth* wireless)
Wireless Broadband	SoMo 650 Back Pack wireless broadband ExpressCard adapter (Novatel wireless modem not included)
Charging / Sync	Cradle kit, Multi-bay charger, Car charger, Master USB with DC jack, USB sync cable, USB Y cable
Protection	DuraCase protective case, Screen Protector Kit, FlexGuard silicone cover
Input	Tethered Stylus
For a full list of Socket peripherals and accessories, visit: http://ww1.socketmobile.com/products/handheld-computers/accessories-hc.aspx	

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UPGRADE DVD	
Upgrades from Windows Mobile 5.0 to Windows Mobile 6 Includes: - Socket Power Plus Battery Friendly® Utility - Socket Enhanced Wi-Fi® Companion™ wireless management utility Supported Languages: Chinese, Dutch, English, Finnish, French, Italian, Japanese, German, Spanish, Swedish, Portuguese (Brazilian), Portuguese (Iberian)	SKU# SW1241-893

** Upgrade for any supported language available free to registered users of devices running Windows Mobile 6*

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